

MICROBIOLOGY DIVISION – MILWAUKEE HEALTH DEPARTMENT

M O N T H L Y R E P O R T

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MICROBIOLOGY REPORT : The Sept. 2006 issue of Microbiology Monthly Report, Volume 11, presents the laboratory diagnosis of some of the infectious diseases, the reference microbiology work done in this laboratory during August 2006 and new cases of syphilis in Milwaukee during July 2006. Information on the laboratory diagnosed mycobacterial infections in Wisconsin during July is also included.

Legionnaires Disease (August 2006)

Patient		Test		
Age	Sex	Urine Antigen	Culture	DFA
60 yrs	M	+	ND	ND
57 yrs	M	+	ND	ND

ND = Not done

Pertussis (Whooping cough) July 2006

No positive cases detected.

Syphilis (July 2006)

Test	Number Positive	Test	Number Positive
RPR	2	TP-PA	9
VDRL	22	DARK FIELD	0

New Cases (Syphilis)

The Wisconsin Division of Health has reported 9 new cases (early stages) of syphilis during August 2006 in Milwaukee. The median age of early syphilis cases is 30.0 years (range: 20-62 years). Morbidity distributions of the disease reported in this and the corresponding month of the previous year are as follows:

New Cases of Syphilis (Aug. 2006 and Aug. 2005)

Stage	Number of Cases	
	Aug 2006	Aug 2005
Primary syphilis	3	0
Secondary syphilis	2	1
Early latent	4	3
Late latent	1	3
Total	10	7

Gonorrhea (August 2006)

Number Tested	Decreased Susceptibility (DS) / Resistance (R) antibiotics			
	Ciprofloxacin	Ceftriaxone	Spectinomycin	Azithromycin
18	0	0	0	0

SUMMARY OF CONFIRMED INFECTIONS
Virology & Molecular Diagnostic SECTION

City of Milwaukee Health Department Laboratory
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WEB SITE: www.milwaukee.gov/healthlab September 2006 ISSUE # 1209

August 2006 Data				
Agent	# Isolates	Patient	Specimen	Symptoms
Rhinovirus	3	1 yr. F	NP Referred isolate	N/A*
Rhinovirus	1	3 yr. M	NP Referred isolate	N/A
Rhinovirus	1	4 mo. M	NP Referred isolate	N/A
Parainfluenza Type 3	1	6 yr. M	NP Referred isolate	N/A
Coxsackievirus Type B3	1	21 yr. F	Throat	Sore throat
Coxsackievirus Type B3	3	9 yr. M	BAL Referred isolate	N/A
Coxsackievirus Type B3	1	5 wk. F	Throat	N/A
Coxsackievirus Type B3	1	20 yr. F	Throat	Meningitis, sore throat, stiff neck, fever, headache
Coxsackievirus Type B4	1	4 yr. M	Stool Referral isolate	N/A
ECHO virus Type 22	1	5 mo. F	Colon swab	Autopsy
Herpes Simplex, Type 1	4			
Herpes Simplex, Type 2	18			
Trichomonas species	1	21 yr. F	Introitus	STD

*N/A – Not Available

	Method	Tested	Positive	% Positive
<i>Chlamydia trachomatis</i>	ProbeTec	611	90	14.7%
<i>Neisseria gonorrhoeae</i>	ProbeTec	322	15	4.7%
Mumps	EIA	53	0	0%
Enterovirus	Real-time RT-PCR	29	13	44.8%
HSV typing	Real-time PCR	4	1	25%

Please note the following new tests are now being offered by the City laboratory using Real-time PCR (SmartCycler) assays:

- Norovirus (Geno-groups GI & GII: Single/Duplex RT-PCR assay)**
Only for specimens of Public Health significance (Contact lab)
- Influenza (Subtypes A – H1, H3, H5) and B (Single, Duplex and/or Multiplex RT-PCR)**
Recently, Flu B was detected & isolated from the patient with travel history to Bangladesh
- Mumps (Duplex RT-PCR assay)**
- Bordetella pertussis/parapertussis (Single/Duplex assay)**
- Herpes Simplex Virus (HSV Type 1 & 2: Multiplex assay)**
- Enterovirus (RT-PCR assay)**
- The City Lab has changed confirmatory Syphilis testing from the FTA-ABS test to the TPPA test as of August 1, 2006.**
- NEW: As of October 15, 2006, the City Lab will no longer offer the complement fixation test.**



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